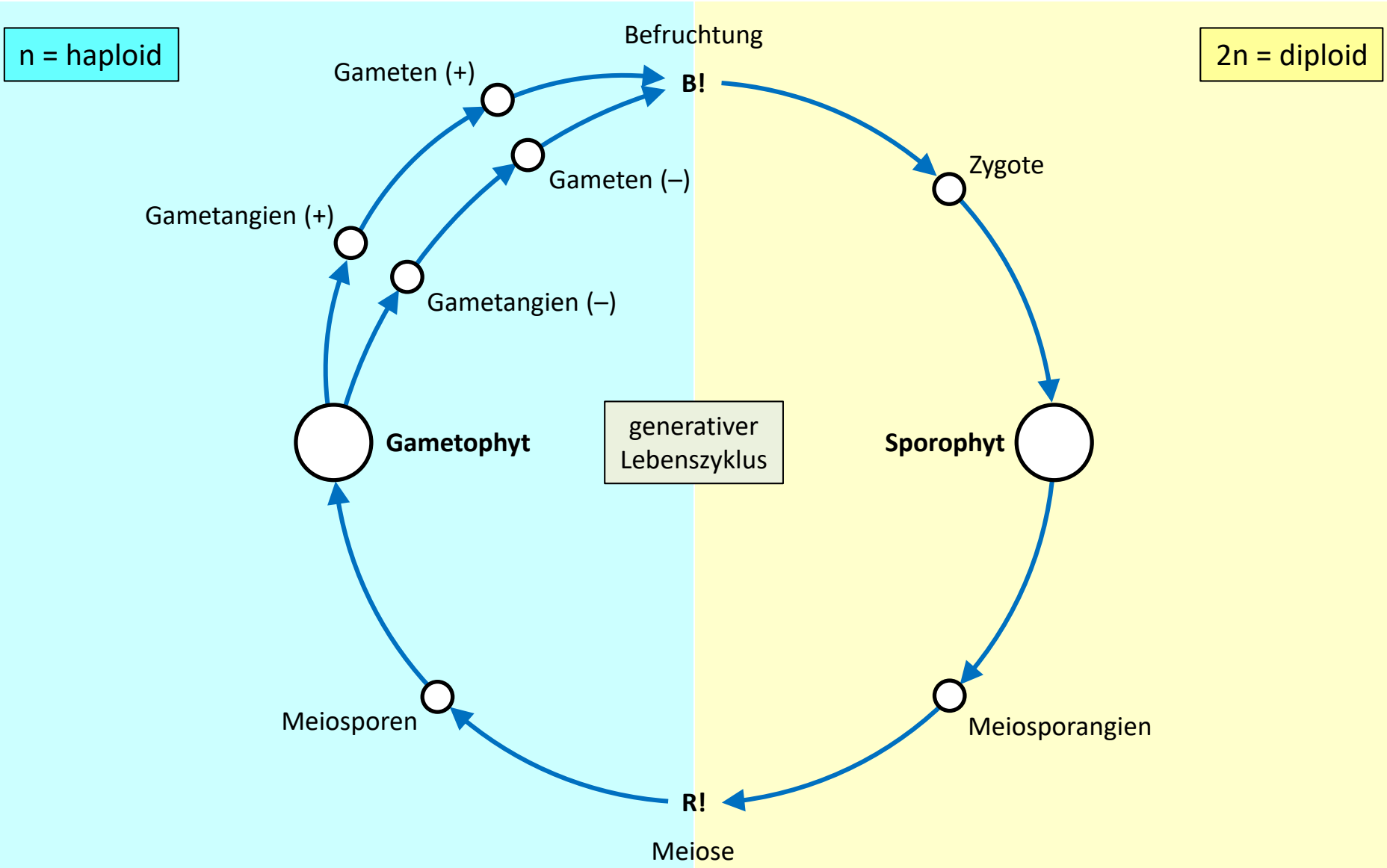
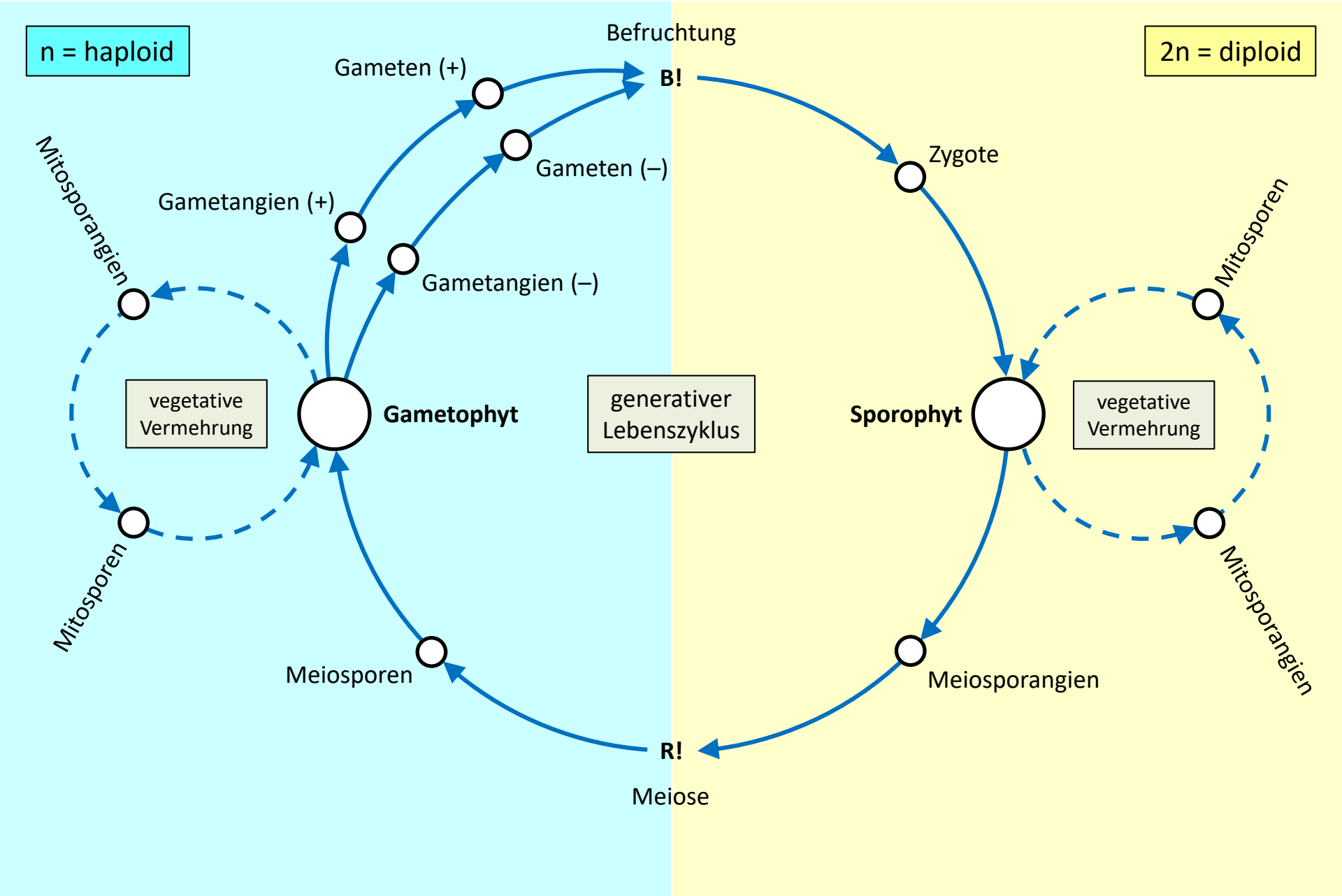
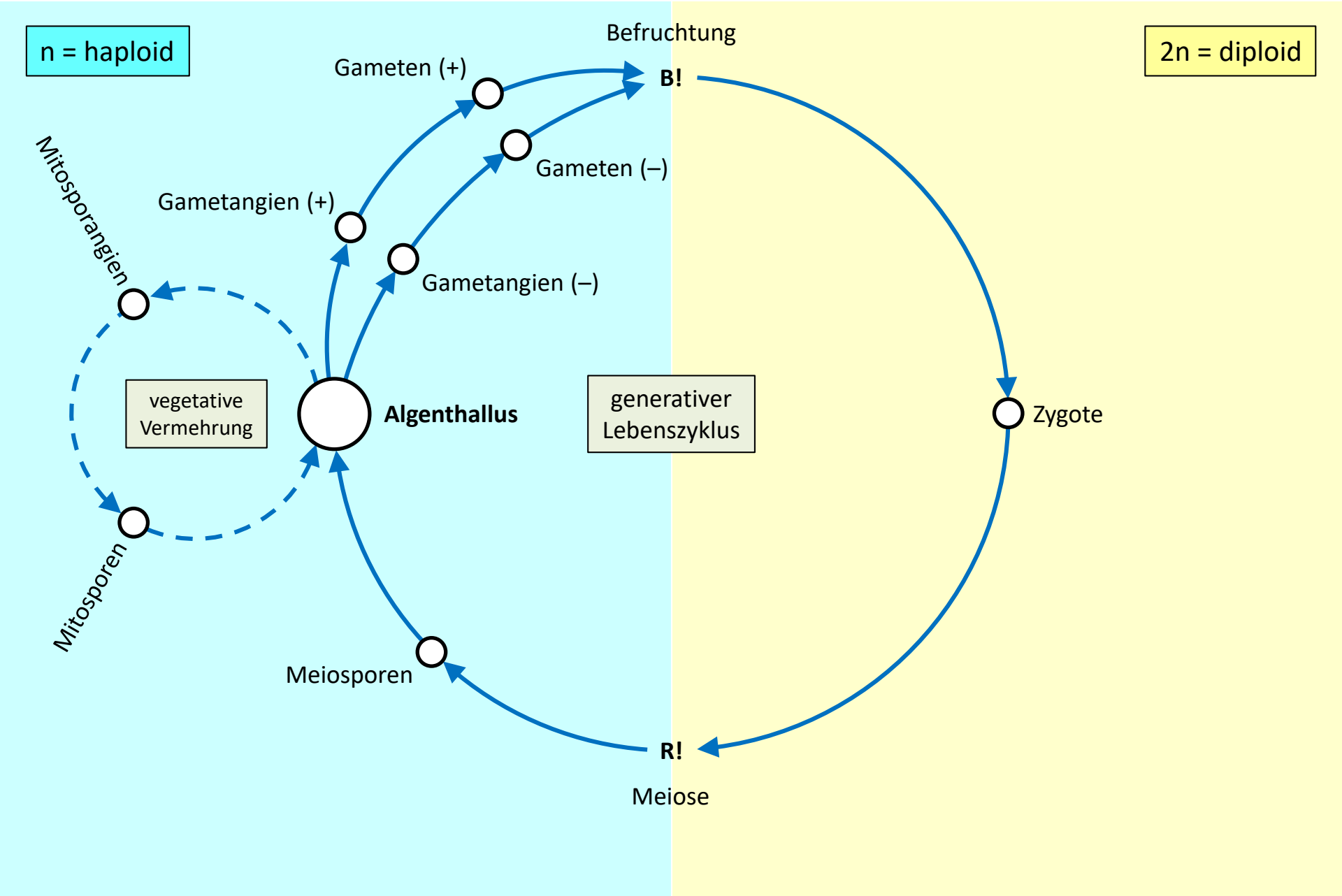
Grundschema eines heterophasischen Generationswechsels



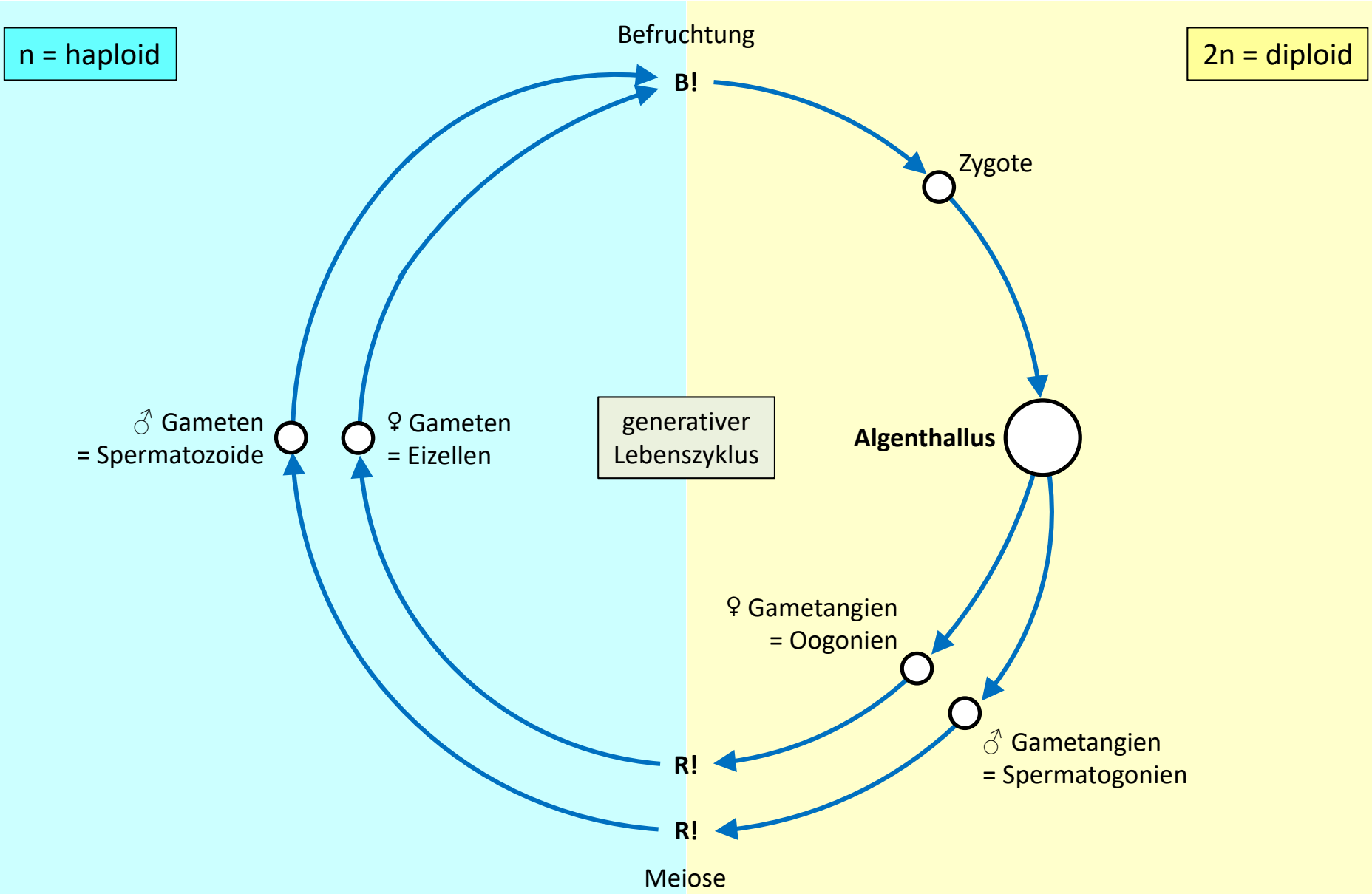
Algen mit heterophasischem Generationswechsel und Isogamie, z.B. *Ulva*



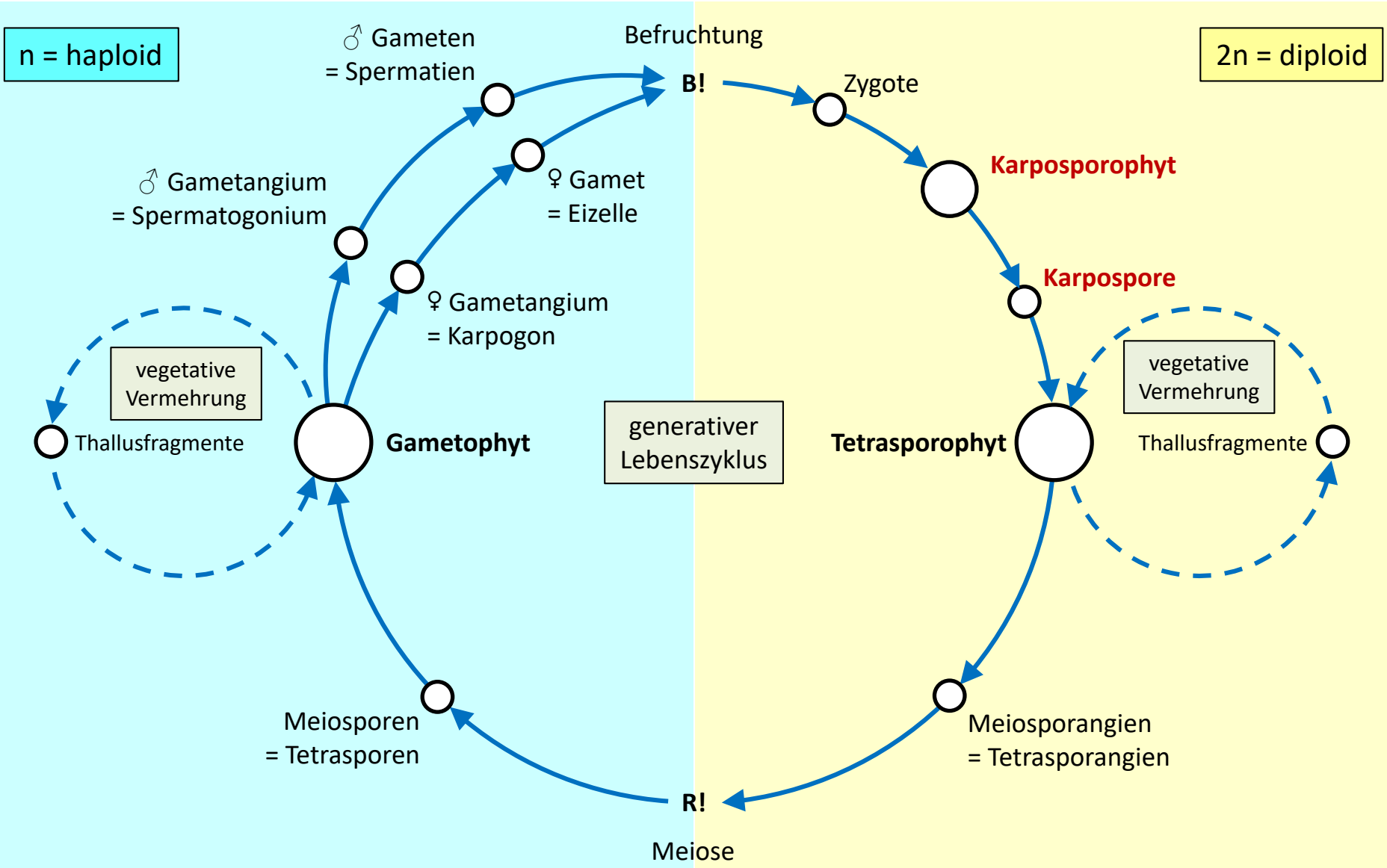
haplontische Algen mit Isogamie, z.B. *Ulothrix*



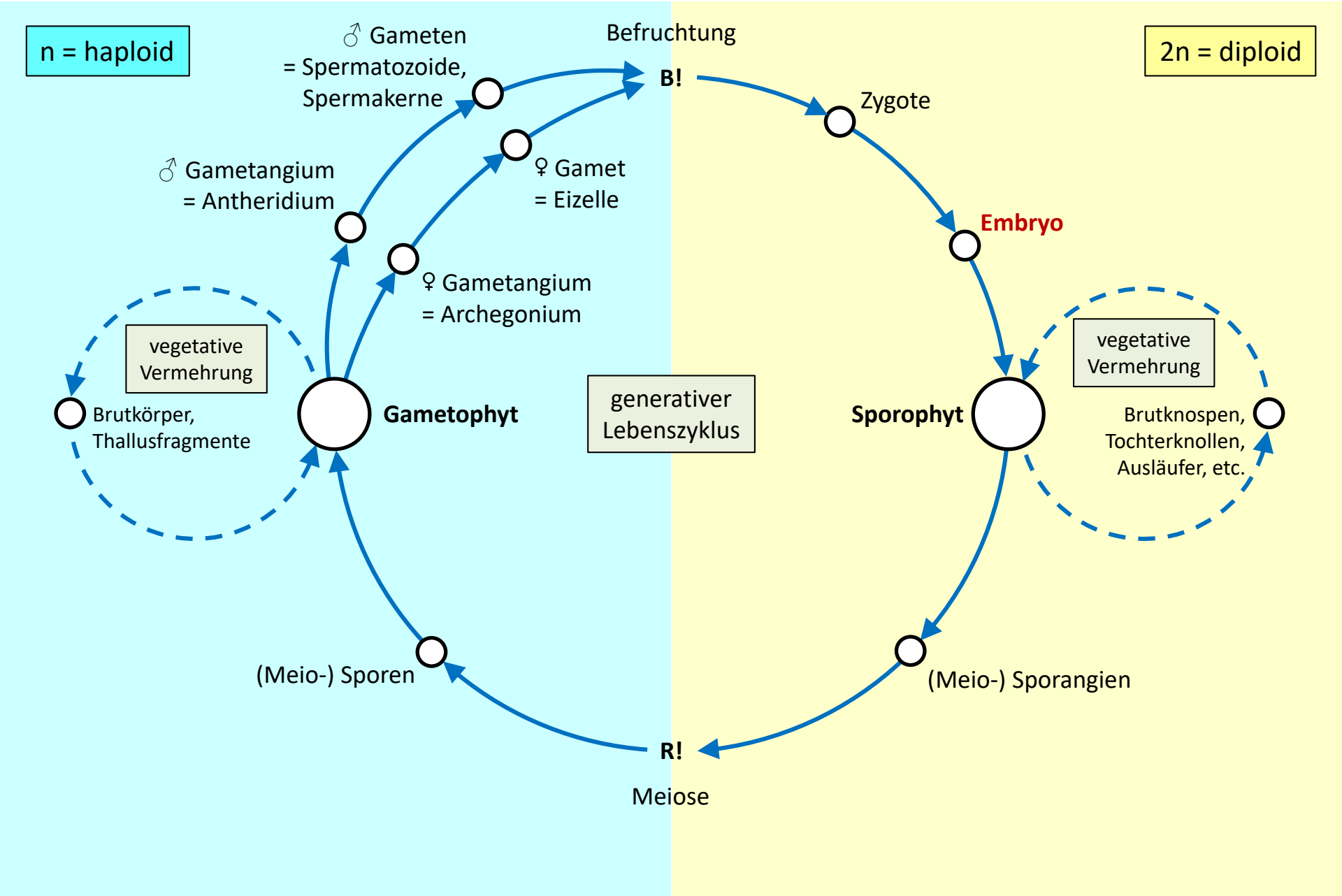
diplontische Algen mit Oogamie, z.B. *Fucus*



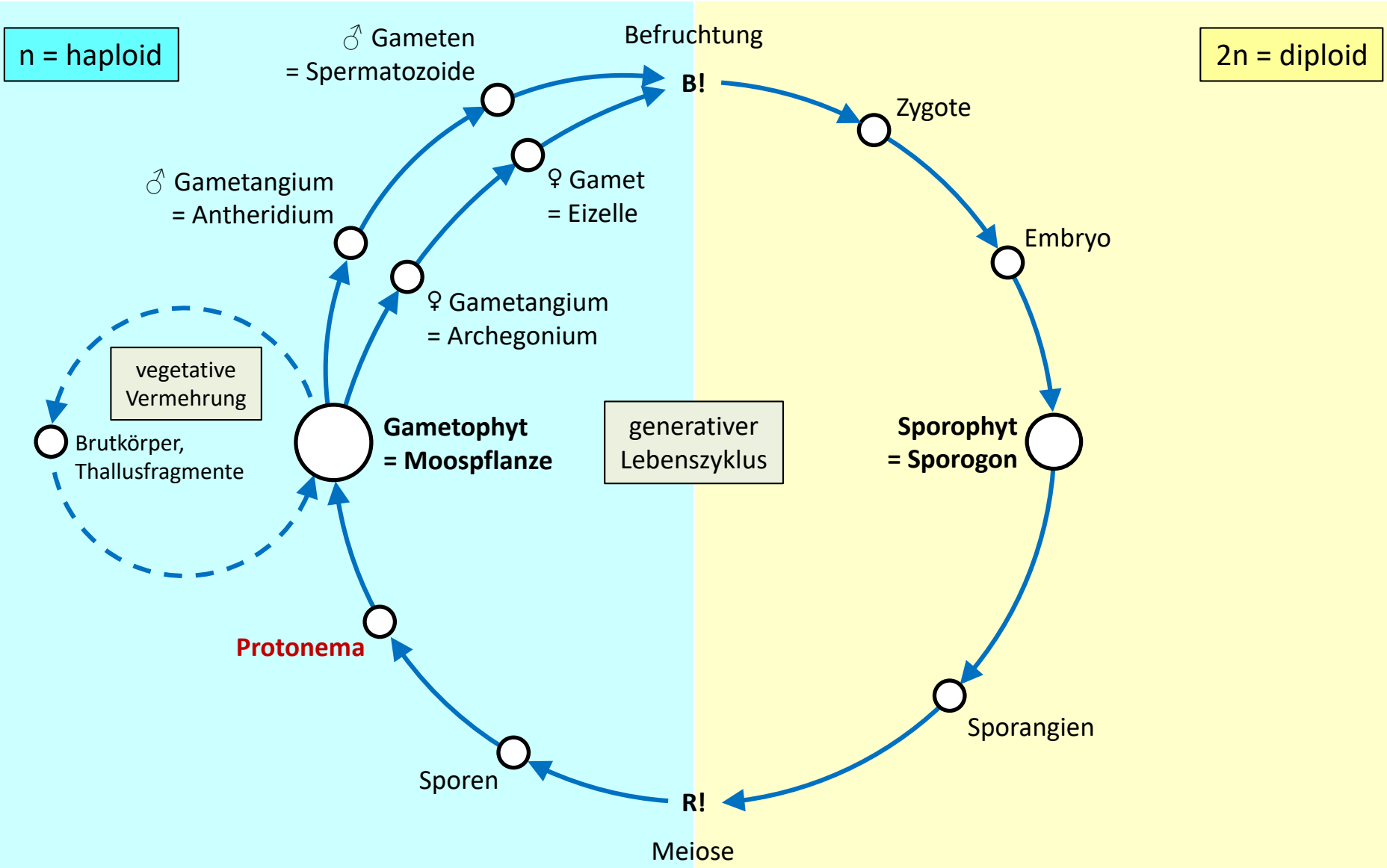
dreigliedriger Generationswechsel bei Rhodophyta, z.B. *Polysiphonia*



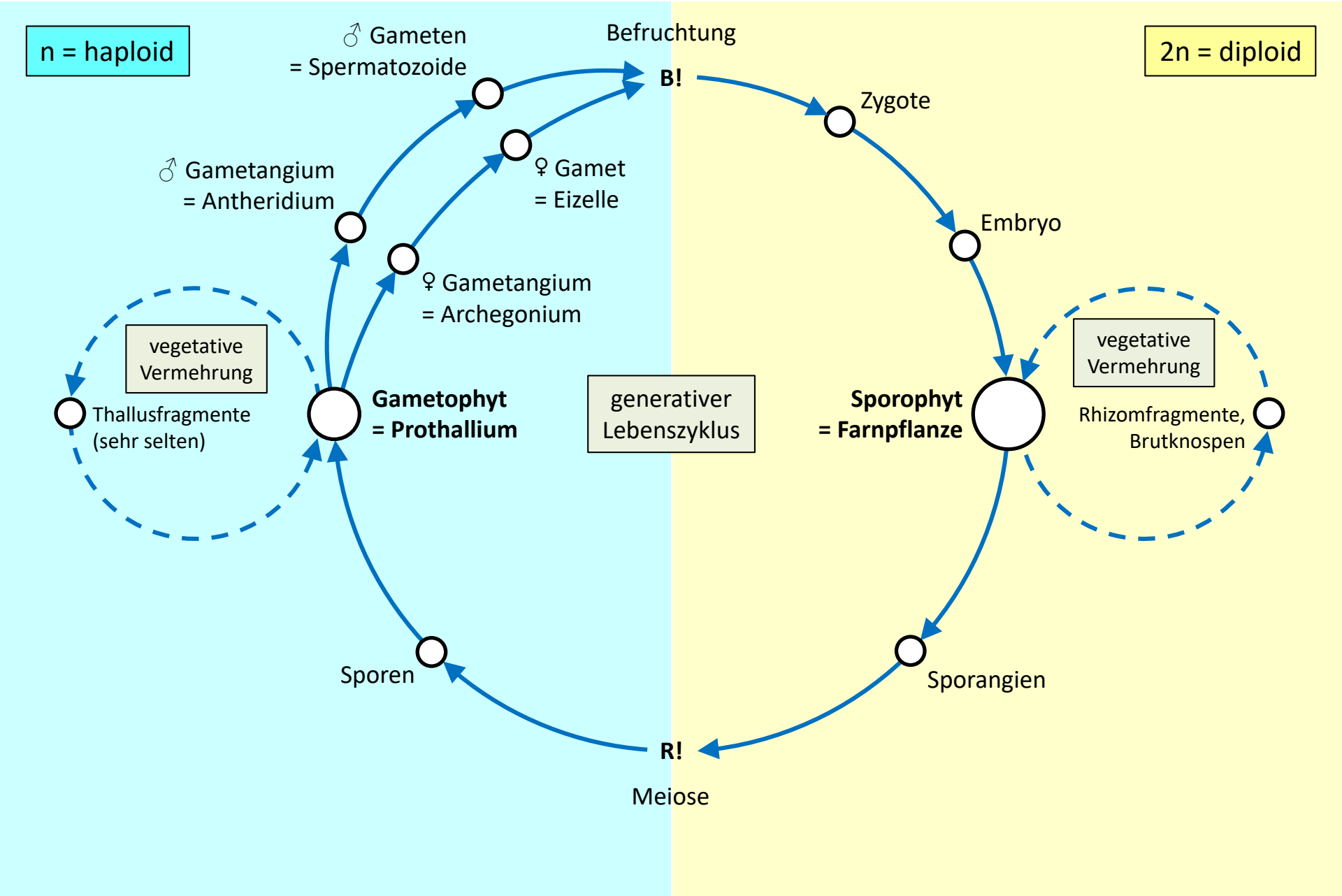
Landpflanzen allgemein



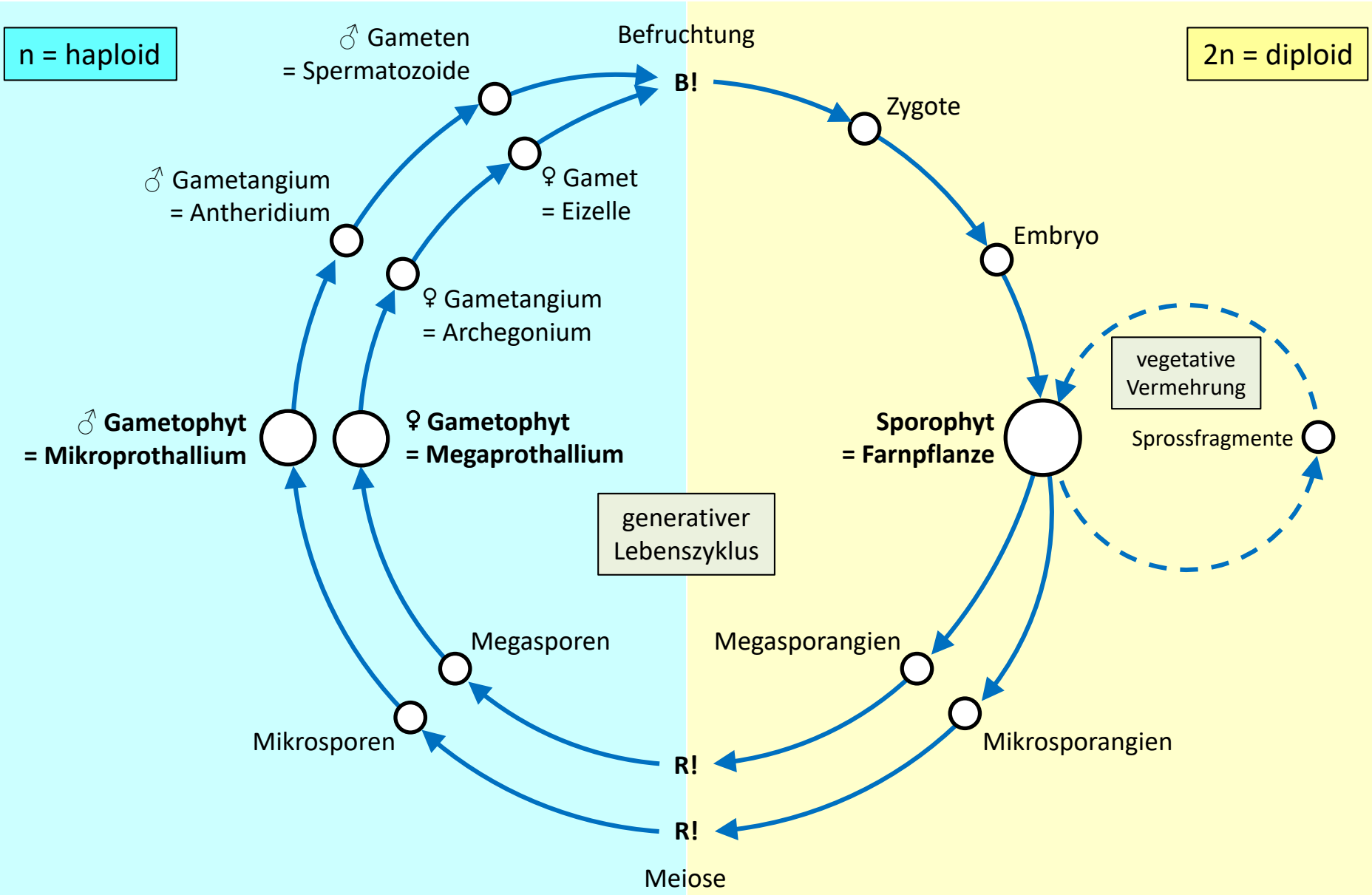
Moose


n = haploid
2n = diploid
♂ Gameten
= Spermatozoide
Befruchtung
B!
Zygote
Embryo
♂ Gametangium
= Antheridium
♀ Gamet
= Eizelle
♀ Gametangium
= Archegonium
vegetative
Vermehrung
Brutkörper,
Thallusfragmente
Gametophyt
= Moospflanze
generativer
Lebenszyklus
Sporophyt
= Sporogon
Protonema
Sporangien
Sporen
R!
Meiose

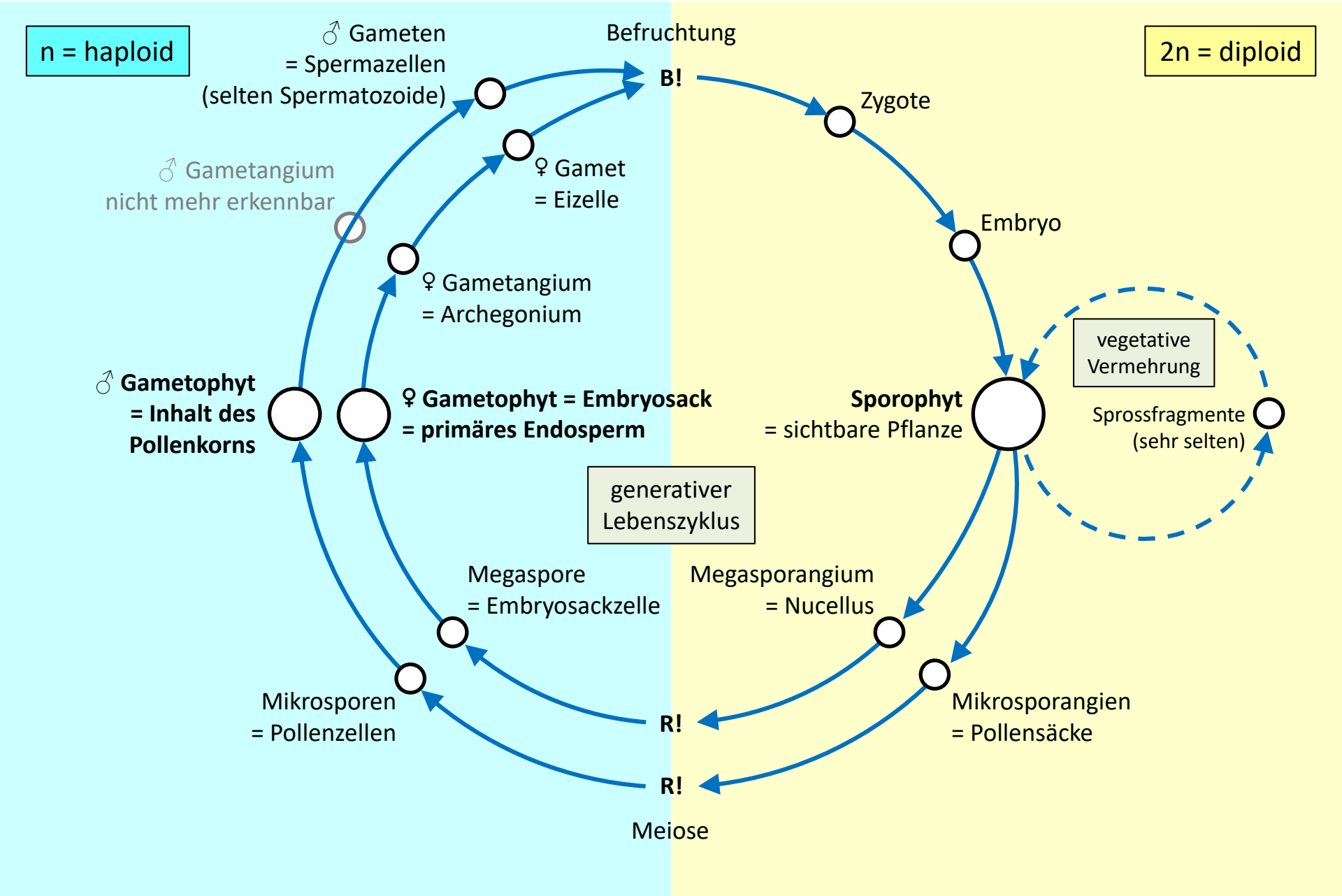
isospore Pteridophyten



heterospore Pteridophyten, z.B. *Selaginella*



Gymnospermen



Angiospermen